SHARK RANGE

WHEN QUALITY VISION IS ESSENTIAL

AVIATION | DIVING | ENGINEERING & DEVELOPMENT | LIFTING & HANDLING | SUBSEA | WORKSHOP

imenco
SMART SOLUTIONS

Imenco

Imenco is a major EPC-contractor to the maritime industry. We design, develop, and manufacture a wide range of systems and products such as Diving Systems, Helicopter Refuelling Systems, Ex Cameras, Lifting and Handling products, Subsea Cameras and Subsea Tools including Subsea Lights and Lasers. Our customers benefit from over thirty years' experience in the industry, adding value and providing smart solutions.

ALL INFORMATION IS CORRECT AT TIME OF GOING TO PRESS: 11/2012/V3

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ALL CAMERAS, LIGHTS AND LASER ARE DELIVERED WITH MANUALS AND PACKED IN A SOLID PELI CASE.

Introduction

With 30 years of experience, we have earned a strong reputation as a manufacturer of high quality cameras, lights and lasers. Our research and development team are constantly developing new products and providing smart solutions to suit every customer's individual requirements and specifications. Being an engineering company with major resources in mechanical, electro and electronics we have the ability to find smart solutions in-house efficiently. We are also a manufacture of air and saturation diving systems, supplying major world wide operators, gaining a competence in the field of quality subsea equipment for professional use.

We are pleased to announce that we have now extended our range with three new products (see pages 22, 26 and 32). As a part of this research and development the entire product range has been reviewed and optimized, and as a tribute to the different types of sharks around the world, each product has been renamed accordingly.

The shark image stands for strong, fast, tough, aesthetic, superior, efficient, discreet and longevity. These adjectives can also be used for our Shark Range. Furthermore, the Shark Range consists of reliable, robust Subsea Cameras, Lights and Lasers, constructed from high quality components and materials, ensuring clear, sharp results and durability.

Our popular Tiger Shark digital still camera (previously named SDS 1210), has been modified extensively, with a 14.1mpx camera module, new remote control and even fitted with two red dot reference lasers.

The development of the new Shark range gives our customers a wider range of products to suit every application.

If you would like more detailed specifications on all our products please visit www.imenco.com where you will be able to download product data sheets.

PRODUCT	DESCRIPTION	ALUMINIUM (M)	DUPLEX (M)	TITANIUM (M)	DIAMETER (MM)	LENGTH (MM)	WEIGHT IN AIR (KG)	WEIGHT IN WATER (KG)	OPTICAL ZOOM	RESOLUTION VTL	VOLTAGE (V)	COLOUR / B/W	PAGE REFERENCE
Reef Shark	Very small size dive / tool / inspection camera	-	500	-	ø30	86	0.28	0.15	-	550	12	COL	7
Mako Shark	Very small size dive / tool / inspection camera	-	1000	-	ø30	105	0.32	0.24	-	600	12	COL	9
Greytip Shark	Small size dive / tool / inspection camera	-	6000	-	ø36	110	0.50	0.40	-	600	24	COL	11
Silvertip Shark	Fixed focus camera with LED lights	-	6000	-	ø50	117	0.50	0.40	-	600	24	COL	13
Blacktip Shark	Small size 10x zoom camera	-	3000	-	ø58	138	1.30	1.00	x10	470	24	COL	15
Whitetip Shark	Small size 10x zoom camera with LED lights	-	3000	-	ø58	143	1.30	1.00	x10	470	24	COL	17
Basking Shark	Low light ROV camera	1000	3000	-	ø70	155	1.90	1.40	-	570	24	B/W	19
Hammerhead Shark	Main ROV colour zoom camera	1000	3000	-	ø100	240	5.50	3.50	x18	470	24	COL	21
Tiger Shark	Digital stills camera	1000	3000	6000	ø83	170	2.80	1.70	x4	14mpx	24	COL	23
Lantern Shark	Flash for Tiger camera	1000	3000	6000	ø100	175	5.00	4.00	-	-	24	N/A	25
Bull Shark	HD Zoom ROV main camera	1000	3000	-	ø100	240	5.00	3.00	x10	720x1080p	24	COL	27
Lizard Shark	ROV Pan / tilt inspection camera	-	1000	-	ø90	296	7.40	5.80	x10	470	24	COL	29
Angel Shark	Ultra high output line laser	-	3000	6000	ø69	248	3.50	2.80	-	-	24	N/A	31
Dusky Shark	High output line laser	3000	-	-	ø35	195	0.40	0.30	-	-	24	N/A	33

Reef SHARK

This very small and lightweight camera is ideal as a diver's helmet camera or as a tooling camera for all types of inspection purposes.

SENSOR: 1/3 SUPER HAD CCD II | RESOLUTION: 550 TVL | LENS: 3.6 MM / F2.0
SENSITIVITY: 0.05 LUX | FOCAL LENGTH: FIXED | FOCUS: FIXED
HOUSING: DUPLEX STAINLESS STEEL | DIAMETER: 30 MM | LENGTH EX. CON: 86 MM
WEIGHT: 0.28 / 0.15 KG | DEPTH RATING: 500 MSW | POWER: 12V / 1.0W
STD. CONNECTOR: MCBH6M (OR SPECIFIED)

Mako SHARK

The Mako camera is perfect as a tooling camera due to its size and weight, and can also be used as a diver's camera.

SENSOR: 1/3 SUPER HAD CCD II | RESOLUTION: 600 TVL | LENS: 3.6 MM / F2.0
SENSITIVITY: 0.0001 LUX (SENSE-UP) | FOCAL LENGTH: FIXED | FOCUS: FIXED
HOUSING: DUPLEX STAINLESS STEEL | DIAMETER: 30 MM | LENGTH EX. CON: 105 MM
WEIGHT: 0.32 / 0.24 KG | DEPTH RATING: 1,000 MSW | POWER: 12V / 1.2W
STD. CONNECTOR: MCBH6M (OR SPECIFIED)

Greytip SHARK

The Greytip is a popular small size colour camera often chosen by ROV and diving operators. A high resolution colour camera module is built into the small duplex steel housing, enabling the Greytip to withstand pressures to 6,000m.

SENSOR: 1/3 SUPER HAD CCD II | RESOLUTION: 600 TVL | LENS: 3.6 MM / F2.0
SENSITIVITY: 0.0001 LUX (SENSE-UP) | FOCAL LENGTH: FIXED | FOCUS: FIXED
HOUSING: DUPLEX STAINLESS STEEL | DIAMETER: 36 MM | LENGTH EX. CON: 110 MM
WEIGHT: 0.5 / 0.4 KG | DEPTH RATING: 6,000 MSW | POWER: 24V / 1.2W
STD. CONNECTOR: MINI BURTON 5507-1508 (OR SPECIFIED)

Silvertip SHARK

The Silvertip is a small, user friendly camera, with LED lights, producing a high quality video output. With duplex steel housing and a maximum depth rating of 6,000m.

SENSOR: 1/3 SUPER HAD CCD II | RESOLUTION: 600 TVL | LENS: 3.6 MM / F2.0
SENSITIVITY: 0.0001 LUX (SENSE-UP) | FOCAL LENGTH: FIXED | FOCUS: FIXED
LIGHTS: LED DIMMABLE | HOUSING: DUPLEX STAINLESS STEEL | DIAMETER: 50 MM
LENGTH EX. CON: 117 MM | WEIGHT: 0.5 / 0.4 KG | DEPTH RATING: 6,000 MSW
POWER: 24V / 5W | STD. CONNECTOR: MINI BURTON 5507-1508 (OR SPECIFIED)

Blacktip SHARK

The Blacktip colour zoom camera is often used as an inspection camera, and when mounted on a P&T unit, it's ideal for close-up inspections in confined areas. With the 10 x optical zoom it's the preferred "eye" for confined ROV work.

SENSOR: 1/4" EXVIEW HAD CCD | RESOLUTION: 470 TVL | LENS: 4.2 - 24 MM / F1.8 - 2.9
SENSITIVITY: 1.5 LUX | FOCAL LENGTH: 10X ZOOM (OPTICAL) | FOCUS: AUTO / MANUAL
HOUSING: DUPLEX STAINLESS STEEL | DIAMETER: 58 MM | LENGTH EX. CON: 138 MM
WEIGHT: 1.3 / 1.0 KG | DEPTH RATING: 3,000 MSW | POWER: 24V / 5W
STD. CONNECTOR: MINI BURTON 5506-1508 (OR SPECIFIED)

Whitetip
SHARK

The Whitetip is a colour zoom camera with dimmable LEDs and often used as a tool camera for close-up inspections where illumination is required. Producing excellent quality video images with a 10 x optical zoom.

SENSOR: 1/4" EXVIEW HAD CCD | RESOLUTION: 470 TVL | LENS: 4.2 - 24 MM / F1.8 - 2.9
SENSITIVITY: 1.5 LUX | FOCAL LENGTH: 10X ZOOM (OPTICAL) | FOCUS: AUTO / MANUAL
LIGHTS: LED DIMMABLE | HOUSING: DUPLEX STAINLESS STEEL | DIAMETER: 58 MM
LENGTH EX. CON: 143 MM | WEIGHT: 1.3 / 1.0 KG | DEPTH RATING: 3,000 MSW
POWER: 24V / 6W | STD. CONNECTOR: MINI BURTON 5506-1508 (OR SPECIFIED) | RS 232 CONTROL

Basking SHARK

Low light monochrome camera for use on work class ROV's and smaller observation vehicles where low light or turpid conditions affect the working environment. The Basking Shark is also available as a Wide Angle version.

SENSOR: 1/2" INTERLINE TRANSFER CCD | RESOLUTION: 570 TVL | LENS: 3.5 MM / F1.4
SENSITIVITY: 0.0002 LUX | FOCUS: FIXED
HOUSING: DUPLEX STAINLESS STEEL (ALUMINIUM VERSION AVAILABLE) | DIAMETER: 70 MM
LENGTH EX. CON: 155 MM | WEIGHT: 1.9 / 1.4 KG | DEPTH RATING: 3,000 MSW
POWER: 24V / 5W | STD. CONNECTOR: MINI BURTON 5506-1508 (OR SPECIFIED)

Hammerhead SHARK

The Hammerhead colour zoom camera is used as the main camera on work class ROVs. Praised by major operators world wide for being a reliable and professional wide angle zoom camera.

SENSOR: 1/4" EXVIEW HAD CCD | RESOLUTION: 470 TVL | LENS: 4.1 - 74 MM / F1.4 - 3.0
SENSITIVITY: 0.7 LUX | FOCAL LENGTH: 18X ZOOM (OPTICAL) | FOCUS: AUTO / MANUAL
HOUSING: DUPLEX STAINLESS STEEL (ALUMINIUM VERSION AVAILABLE) | DIAMETER: 100 MM
LENGTH EX. CON: 240 MM | WEIGHT: 5.5 / 3.5 KG | DEPTH RATING: 3,000 MSW | POWER: 24V / 5W
STD. CONNECTOR: MINI BURTON 5506-1508 (OR SPECIFIED) | RS 232 CONTROL

Tiger SHARK

Perfect for ROV usage or as a high resolution stand-alone camera for research purposes. Integrated flash and Ethernet control with download capability. Timer function and red dot laser for size referencing can also be added.

RESOLUTION: 14MPX | LENS: 5.0 - 20 MM / F2.8 - 5.9 | FOCAL LENGTH: 4X ZOOM (OPTICAL)
FOCUS: AUTO AND FOCUS LOCK | FLASH: INTERNAL / EXTERNAL (LANTERN SHARK PAGE 25)
HOUSING: DUPLEX STAINLESS STEEL (ALUMINIUM AND TITANIUM VERSIONS AVAILABLE) | DIAMETER: 83 MM
LENGTH EX. CON: 170 MM | WEIGHT: 2.8 / 1.9 KG | DEPTH RATING: 3,000 MSW | POWER: 24V / 12 - 37W
STD. CONNECTOR: MINI BURTON 5506-1508 (OR SPECIFIED) | RS 232/485 CONTROL

Lantern

SHARK

The Lantern is a high output flash for use with the Tiger digital stills camera and will enable the capture of high quality images at distances of up to 10 meters.

OUTPUT: 160 W/S | COLOUR TEMP: 4800K

HOUSING: DUPLEX STAINLESS STEEL (ALUMINIUM AND TITANIUM VERSIONS AVAILABLE)

DIAMETER: 100 MM | LENGTH EX. CON: 175 MM | WEIGHT: 5.0 / 4.0 KG

DEPTH RATING: 3,000 MSW | POWER: 24V / 25W | CONNECTOR: MCBH4M (OR SPECIFIED)

Bull SHARK

The Bull is a high definition (HD-SDI) camera, ideal when operators need high quality zoom capabilities combined with excellent resolution.

SENSOR: 1/3 CMOS | RESOLUTION: 720P X 1080P | LENS: F=4.7MM - 94MM / F1.8 - 2.1
SENSITIVITY: 0.5LUX (F1.6, IRC OFF) | FOCAL LENGTH: 20X OPTICAL ZOOM (12X DIGITAL ZOOM)
FOCUS: AUTO / MANUAL | HOUSING: DUPLEX STAINLESS STEEL | DIAMETER: 100 MM
LENGTH EX. CON: 240 MM | WEIGHT: 5.0 / 3.0KG | DEPTH RATING: 3,000 MSW | POWER: 24V / 8W
STD. CONNECTOR: CUSTOMIZED, NO STANDARD CONNECTOR | RS 232 CONTROL

Lizard SHARK

The Lizard's narrow diameter allows access to areas not possible using other conventional pan and tilt cameras. The ROV's manipulator arm may be used to control the camera with it's removable fish tail. The Lizards's pan and tilt function, 10 x optical zoom and built in dimmable LED lights makes this a unique tooling camera for the ROV market.

SENSOR: 1/4 EXVIEW HAD CCD | RESOLUTION: 470 TVL | LENS: 4.2 - 24 MM / F1.8 - 2.9
SENSITIVITY: 1.5 LUX | FOCAL LENGTH: 10X ZOOM (OPTICAL) | FOCUS: AUTO / MANUAL
LIGHTS: LED DIMMABLE | HOUSING: DUPLEX STAINLESS STEEL | DIAMETER: 90 MM | LENGTH EX. CON: 296 MM
WEIGHT: 7.4 / 5.8 KG | 270° TILT | 340° PAN | DEPTH RATING: 1,000 MSW | POWER: 18 - 36 VDC / 30W
STD. CONNECTOR: MINI BURTON 5506-1508 (OR SPECIFIED) | RS 232/485 CONTROL

Angel SHARK

The Angel laser is a powerful green line laser used when profiles are required from video images. The green light ensures good visibility over long distances.

WAVELENGTH: 532NM | OUTPUT: 150MW | LENS: 60˚ (30˚, 45˚, 90˚ ON REQUEST)
HOUSING: DUPLEX STAINLESS STEEL | DIAMETER: 69 MM | LENGTH EX. CON: 248 MM
WEIGHT: 3.5 / 2.8 KG | DEPTH RATING: 3,000/6,000 MSW | POWER: 12 - 32VDC / 8 W
CONNECTOR: MINI BURTON 5506-1508 (OR SPECIFIED)

Dusky SHARK

The Dusky laser is a green line laser used when profiles are required of video images. The green laser ensures good visibility due to reduced absorption of green light in water. Small size, low weight and very price competitive.

WAVELENGTH: 532NM | OUTPUT: 30MW | LENS: 60˚ (30˚, 45˚, 90˚ ON REQUEST)
HOUSING: HARD ANODIZED ALUMINIUM | DIAMETER: 35 MM | LENGTH EX. CON: 195 MM
WEIGHT: 0.4 / 0.3 KG | DEPTH RATING: 3,000 MSW | POWER: 12 - 32VDC / 2 W
CONNECTOR: MCBH4M (OR SPECIFIED)

Warranty

Imenco AS (“Imenco”) warrants this product against defects in materials and workmanship for a period of three (3) years from the date of original purchase (“Warranty Period”). Imenco’s warranty obligations for the product are limited to the terms set forth below:

Imenco must be notified in writing within 14 days of such defect or failure, at which time Imenco will provide instructions on the warranty claim procedures to be followed.

If a defect arises and a valid claim is received by Imenco within the Warranty Period, at its option, Imenco will (1) repair the product at no charge, using new or refurbished replacement parts, (2) or exchange the product with a product that is new or which has been manufactured from new or serviceable used parts and is at least functionally equivalent to the original product.

Imenco warrants replacement products or parts provided under this warranty against defects in materials and workmanship from the date of the replacement or repair for ninety (90) days or for the remaining portion of the original product’s warranty, whichever provides longer coverage for you. When a product or part is exchanged, any replacement item becomes your property and the replaced item becomes Imenco’s property.

EXCLUSIONS AND LIMITATIONS

This limited warranty applies only to the product manufactured by or for imenco that can be identified by the “shark range”, trade name, or logo affixed to it. This limited warranty does not apply to any non-imenco hardware product or any software, even if packaged or sold with the imenco hardware product. Non-imenco manufacturers, suppliers, or publishers may provide a separate warranty for their own products packaged with the imenco hardware product.

Software distributed by imenco under the imenco brand name is not covered under this limited warranty. (Refer to imenco’s software license agreement for more information).

This warranty does not apply: (a) to damage caused by accident, abuse, misuse, misapplication, or to non-imenco products; (b) to damage caused by service performed by anyone other than imenco; (c) to a product or a part that has been modified without the written permission of imenco; (d) if the product has not been given the overhaul and preventive maintenance given by imenco and stated in the user manual, or (e) if any imenco serial number has been removed or defaced.

To the maximum extent permitted by law, this warranty and the remedies set forth above are exclusive and in lieu of all other warranties, remedies and conditions, whether oral or written, express or implied. Imenco specifically disclaims any and all implied warranties, including, without limitation, warranties of merchantability and fitness for a particular purpose. If imenco cannot lawfully disclaim or exclude implied warranties under applicable law, then to the extent possible any claims under such implied warranties shall expire on expiration of the warranty period. No imenco reseller, agent, or employee is authorized to make any modification, extension, or addition to this warranty.

To the maximum extent permitted by law, imenco is not responsible for direct, special, incidental or consequential damages resulting from any breach of warranty or condition, or under any other legal theory, including any costs of recovering or reproducing any program or data stored in or used with the imenco product, and any failure to maintain the confidentiality of data stored on the product. Imenco specifically does not represent that it will be able to repair any product under this warranty or make a product exchange without risk to or loss of programs or data.

For consumers who have the benefit of consumer protection laws or regulations in their country of purchase or, if different, their country of residence, the benefits conferred by this warranty are in addition to all rights and remedies conveyed by such consumer protection laws and regulations. To the extent that liability under such consumer protection laws and regulations may be limited, imenco’s liability is limited, at its sole option to replacement or repair of the product or supply of the repair service again.

OBTAINING WARRANTY SERVICE

Please review the online help resources referred to in the accompanying documentation before seeking warranty service. If the product is still not functioning properly after making use of these resources, access the online website: www.imenco.com/support for instructions on how to obtain warranty service. Before a warranty service is shipped for repair the shipment and product has to be marked with a service no. issued by Imenco.

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SEA LED

BRIGHT CLEAR VISION

AVIATION | DIVING | ENGINEERING & DEVELOPMENT | LIFTING & HANDLING | SUBSEA | WORKSHOP

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With over thirty years experience, Imenco has earned a strong reputation as a manufacturer of high quality cameras, lights and lasers. Our research and development team are constantly developing new products and providing smart solutions to suit every customer's individual requirements and specifications.

Being an engineering company we have major in-house resources in mechanical, electro and electronics, making us extremely efficient at finding smart solutions for our customers. We are also a manufacturer of air and saturation diving systems, supplying major world wide operators, gaining a competence in the field of quality subsea equipment for professional use.

ALL CAMERAS, LIGHTS AND LASER ARE DELIVERED WITH NECESSARY MANUALS AND PACKED IN A SOLID PELI CASE

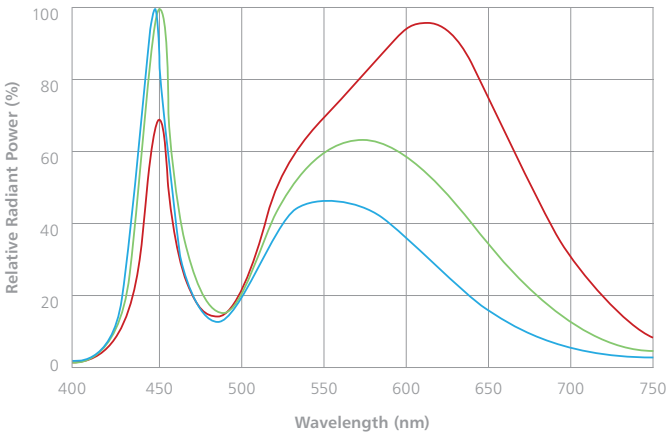
Introduction

The new series of Imenco SEA LED Lights are built with an input power of 20, 60, 125 and 250W, equivalent to 50, 150, 300 and 600W Halogen. The expected lifespan is 50,000hrs (eg: 10hrs daily use will last 14yrs). Depth rating is 1,500m for SEA LED 20 and 3,000m for SEA LED 60, 125 and 250. All lights can easily be regulated from 0 - 100% light output and the colour temperature and lens angle can be set based on customer requirements.

If you need additional information and technical data sheets, please visit imenco.com

Imenco's SEA LED Lights have their main power distribution (colour temp) around 3,200 Kelvin, corresponding with the red curve in this graph.

Relative Special Power Distribution



— 5000K - 8300K CCT — 3700K - 5000K CCT — 2600K - 3700K CCT

This gives a more natural light colour and minimising the bluish haze seen from higher colour temperature LEDs.

SEA LED Range

SEA LED 20 Miniature high output LED light for divers / small ROVs / tools / inspection points.

READ MORE - PAGE 7

SEA LED 60 Medium size high output LED light for ROVs / tools / inspection points.

READ MORE - PAGE 9

SEA LED 125 High output LED flood light for ROVs / general illumination.

READ MORE - PAGE 11

SEA LED 250 High output LED flood light for ROVs / general illumination.

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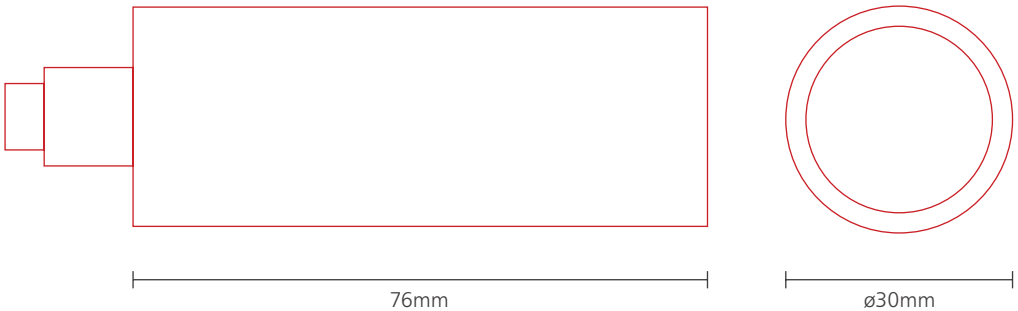


6500 Kelvin
3200 Kelvin
70° Angle
60° Angle
40° Angle
30° Angle
25° Angle
110 Volt
24 Volt
Triac Dim.

The SEA LED 20 can be delivered with different colour temperatures and lens angles and the light output is easily regulated from 0 - 100%.

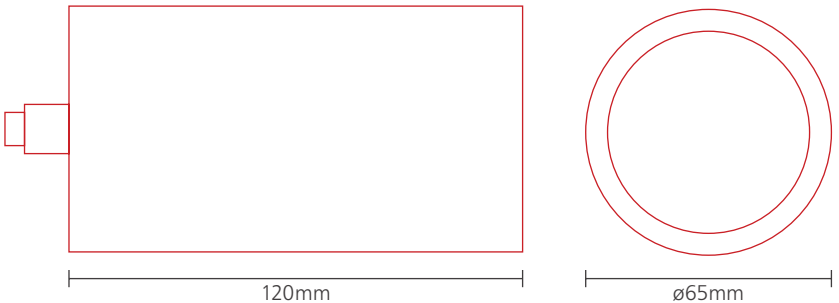
Standard
Optional
N/A

SCALE: 1:1

SEA LED 20

The SEA LED 20 miniature high output light for divers/small ROVs/tools and inspection points. Fitted with the latest high quality LEDs which have an increased lifespan compared to the traditional Halogen and HID lights.

INPUT POWER: 20W (≈ 50W HALOGEN) | LIGHT OUTPUT: 1,000 LUMEN
LIGHT REGULATION: 0 -100% | REGULATION MODES: INPUT VOLTAGE OR 0 - 10V DC
HOUSING: DUPLEX STAINLESS STEEL | LED ARRAY LIFE EXPECTANCY: 50,000HRS
TEMPERATURE PROTECTED | DIAMETER: 30MM | LENGTH EX. CON: 76MM | WEIGHT: 0.30 / 0.20KG
DEPTH RATING: 1,500MSW | POWER: 24V DC | STD. CONNECTOR: MCBH3M (OR SPECIFIED)



6500 Kelvin
3200 Kelvin
70° Angle
60° Angle
40° Angle
30° Angle
25° Angle
110 Volt
24 Volt
Triac Dim.

The SEA LED 60 can be delivered with different colour temperatures and lens angles and the light output is easily regulated from 0 - 100% by different regulation modes, including IR remote control.

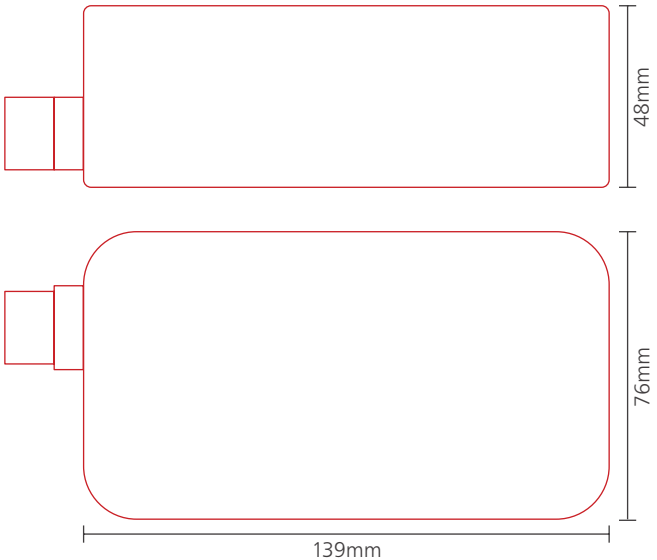
Standard
Optional
N/A

SCALE: 1:2

SEA LED 60

The SEA LED 60 is a high output multi purpose light for ROVs/tools and inspection points. Fitted with the latest high quality LEDs which have an increased lifespan compared to the traditional Halogen and HID lights.

INPUT POWER: 60W (≈ 150W HALOGEN) | LIGHT OUTPUT: 3,000 LUMEN | LIGHT TEMP: 3,200K OR 6,500K
LIGHT BEAM ANGLE: 30˚ OR 60˚ | LIGHT REGULATION: 0 -100% | REGULATION MODES: INPUT VOLTAGE, RS232, 0 -10VDC, 24VDC STEP PULSE | HOUSING: HARD ANODISED ALUMINIUM | IR REMOTE CONTROL FOR PRESETTING LIGHT LEVEL | LED ARRAY LIFESPAN: 50,000HRS | TEMP PROTECTED
DIAMETER: 65MM | LENGTH EX. CON: 116MM | WEIGHT: 0.70 / 0.20KG | DEPTH RATING: 3,000MSW
POWER: 24V DC OR 110V AC | STD. CONNECTOR: MCBH3M (OR SPECIFIED)



6500 Kelvin
3200 Kelvin
70° Angle
60° Angle
40° Angle
30° Angle
25° Angle
110 Volt
24 Volt
Triac Dim.

The SEA LED 125 can be delivered with different colour temperatures and lens angles and the light output is easily regulated from 0 - 100%.

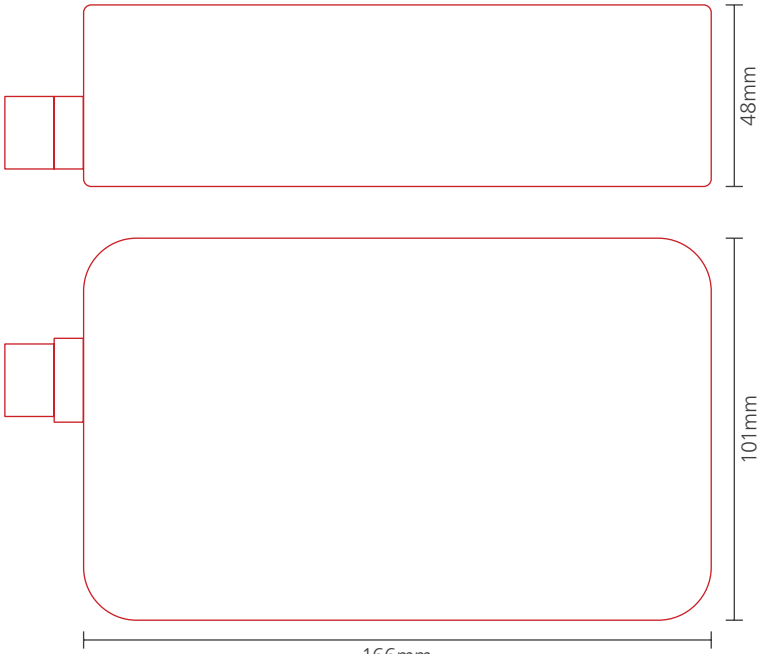
Standard
Optional
N/A

SCALE: 1:2

SEA LED 125

The SEA LED 125 is a high output multi purpose flood light unit for ROVs and inspection points. Fitted with the latest high quality LEDs which have an increased lifespan compared to the traditional Halogen and HID lights.

INPUT POWER: 100W (≈ 300W HALOGEN) | LIGHT OUTPUT: 7,500 LUMEN | LIGHT TEMP: 3,200K
LIGHT BEAM ANGLE: 25˚, 40˚ OR 70˚ | LIGHT REGULATION: 0 -100% | REGULATION: TRIAC DIMMABLE
OR BY 0 - 10V DC | HOUSING: HARD ANODISED ALUMINIUM | LED ARRAY LIFE EXPECTANCY: 50,000HRS
TEMPERATURE PROTECTED | DIMENSION EX. CON: 76 X 139 X 43MM | WEIGHT: 0.85 / 0.60KG
DEPTH RATING: 3,000MSW | POWER: 110V AC | STD. CONNECTOR: MCBH3M (OR SPECIFIED)



The SEA LED 250 can be delivered with different colour temperatures and lens angles and the light output is easily regulated from 0 - 100%.

SCALE: 1:2

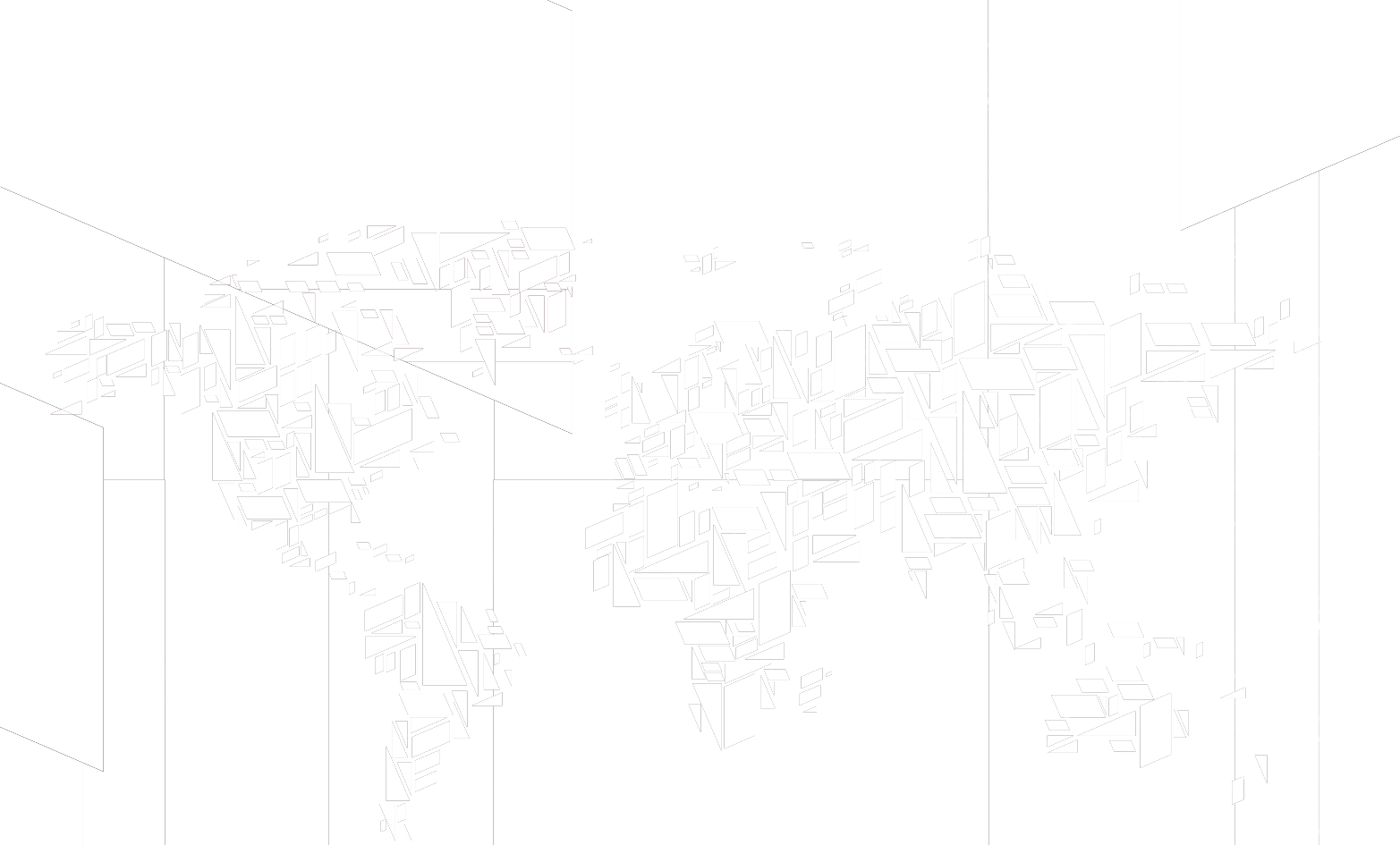
6500 Kelvin	
3200 Kelvin	
70° Angle	
60° Angle	
40° Angle	
30° Angle	
25° Angle	
110 Volt	
24 Volt	
Triac Dim.	

Standard
Optional
N/A

SEA LED 250

The SEA LED 250 is a high output multi purpose flood light unit for ROVs and inspection points. Fitted with the latest high quality LEDs which have an increased lifespan compared to the traditional Halogen and HID lights.

INPUT POWER: 200W (≈ 600W HALOGEN) | LIGHT OUTPUT: 15,000 LUMEN | LIGHT TEMP: 3,200K
LIGHT BEAM ANGLE: 25˚, 40˚ OR 70˚ | LIGHT REGULATION: 0 -100% | REGULATION: TRIAC DIMMABLE
OR BY 0 - 10V DC | HOUSING: HARD ANODISED ALUMINIUM | LED ARRAY LIFE EXPECTANCY: 50,000HRS
TEMPERATURE PROTECTED | DIMENSION EX. CON: 101 X 166 X 43MM | WEIGHT: 1.30 / 1.00KG
DEPTH RATING: 3,000MSW | POWER: 110V AC | STD. CONNECTOR: MCBH3M (OR SPECIFIED)



FOR FURTHER INFORMATION CONCERNING IMENCO'S 3 YEAR WORLDWIDE WARRANTY, PLEASE VISIT WWW.IMENCO.COM

Warranty

Imenco AS (“Imenco”) warrants this product against defects in materials and workmanship for a period of three (3) years from the date of original purchase (“Warranty Period”). Imenco’s warranty obligations for the product are limited to the terms set forth below:

Imenco must be notified in writing within 14 days of such defect or failure, at which time Imenco will provide instructions on the warranty claim procedures to be followed.

If a defect arises and a valid claim is received by Imenco within the Warranty Period, at its option, Imenco will (1) repair the product at no charge, using new or refurbished replacement parts, (2) or exchange the product with a product that is new or which has been manufactured from new or serviceable used parts and is at least functionally equivalent to the original product.

Imenco warrants replacement products or parts provided under this warranty against defects in materials and workmanship from the date of the replacement or repair for ninety (90) days or for the remaining portion of the original product’s warranty, whichever provides longer coverage for you. When a product or part is exchanged, any replacement item becomes your property and the replaced item becomes Imenco’s property.

EXCLUSIONS AND LIMITATIONS

This limited warranty applies only to the product manufactured by or for imenco that can be identified by the “shark range”, trade name, or logo affixed to it. This limited warranty does not apply to any non-imenco hardware product or any software, even if packaged or sold with the imenco hardware product. Non-imenco manufacturers, suppliers, or publishers may provide a separate warranty for their own products packaged with the imenco hardware product.

Software distributed by imenco under the imenco brand name is not covered under this limited warranty. (Refer to imenco’s software license agreement for more information).

This warranty does not apply: (a) to damage caused by accident, abuse, misuse, misapplication, or to non-imenco products; (b) to damage caused by service performed by anyone other than imenco; (c) to a product or a part that has been modified without the written permission of imenco; (d) if the product has not been given the overhaul and preventive maintenance given by imenco and stated in the user manual, or (e) if any imenco serial number has been removed or defaced.

To the maximum extent permitted by law, this warranty and the remedies set forth above are exclusive and in lieu of all other warranties, remedies and conditions, whether oral or written, express or implied. Imenco specifically disclaims any and all implied warranties, including, without limitation, warranties of merchantability and fitness for a particular purpose. If imenco cannot lawfully disclaim or exclude implied warranties under applicable law, then to the extent possible any claims under such implied warranties shall expire on expiration of the warranty period. No imenco reseller, agent, or employee is authorized to make any modification, extension, or addition to this warranty.

To the maximum extent permitted by law, imenco is not responsible for direct, special, incidental or consequential damages resulting from any breach of warranty or condition, or under any other legal theory, including any costs of recovering or reproducing any program or data stored in or used with the imenco product, and any failure to maintain the confidentiality of data stored on the product. Imenco specifically does not represent that it will be able to repair any product under this warranty or make a product exchange without risk to or loss of programs or data.

For consumers who have the benefit of consumer protection laws or regulations in their country of purchase or, if different, their country of residence, the benefits conferred by this warranty are in addition to all rights and remedies conveyed by such consumer protection laws and regulations. To the extent that liability under such consumer protection laws and regulations may be limited, imenco’s liability is limited, at its sole option to replacement or repair of the product or supply of the repair service again.

OBTAINING WARRANTY SERVICE

Please review the online help resources referred to in the accompanying documentation before seeking warranty service. If the product is still not functioning properly after making use of these resources, access the online website: www.imenco.com/support for instructions on how to obtain warranty service. Before a warranty service is shipped for repair the shipment and product has to be marked with a service no. issued by Imenco.

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